

# robo medicinae I.

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## User Guide

This document provides basic informations for users, who will be cooperate with this station. Document is divided to multiple section, where each section represents the screens available to non-maintance man users.

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## Sign in

Before loading to app, is necessary to sign in. Administrators give permissions to access the application. If your colleague has problem with access, please contact the support link or directly admin on official web site. If you are using as browser Microsoft edge, don't be afraid, this browser allows you to view your password by default. If you are using touch screen device, on right corner is button for show virtual keyboard.

## Layout

The same intuitive layout is used for the entire application. Layout has top and bottom panel. Top panel is used for main information about time, date and battery level. The bottom panel can be viewed by clicking on the button in the left corner. In bottom panel you can see buttons:

1. error – you can see alert messages about errors
2. warning - you can see alert messages about warnings
3. home – in almost every screen you can just jump to home
4. sign out



## Home

In home screen you have now many options what to do, but before do anything you should follow these steps:

1. Connect robot
  - a. Plugged-in robot
  - b. Start UR Polyscope on Teach Pendant
  - c. Connect to network
  - d. In app click on button "Connect robot"
2. Make sure, that camera is plugged-in, if is not try hit button "Reload"

If you have connected robot and camera successfully now you should have access to all buttons in menu. If you have some issue with access to buttons, sign out and make sure that everything is plugged-in and in Polyscope isn't any error.

## Menu

In this screen you have 6 main sections

1. Control panel
2. Manual control robot
3. Robot inspection
4. Patient data
5. Documentation
6. 3D face model

If you have everything set up, you should be able to access all but one(3D face model) of these sections. 3D face model is enabled after scanning.

## Robot inspection

In this section you can see the current main values of the robot such as temperature and current. All graphs are marked with a number. You can see the meaning of the number by clicking on the button on the right side. You have to click on any part of the robot to view it.

## Manual control robot

This section is used for quick and easy control of the robot, provides the user with information about the current status in the coordinates of the axes and angles of the individual motors and last but not least an emergency stop button. Control is so simple, just use the slider or arrow buttons. The emergency stop button stops everything, so load the system once more to use it.

## Patient data

A menu is available before any patient data is displayed. In this menu, you can select how to search for the patient. The first option is QR code reader.

### QR code reader

When you click this button, you should see the image transmitted from the camera on the robot. Now if QR code is detected you should see it in app, then if you click once again on same button, then is defined patient searched.

### Find patient

When you click this button, you should see input with magnifier logo, on right corner you can see button which show virtual keyboard. If you type surname or

Personal Identification Number and then click on magnifier logo, now you should see all searched patient, and the if you choose right one and once again clicked on magnifier logo, then you can see finally patient data.

The patient information screen will then be displayed. On this screen there is patient information and 2 buttons, the faceID button allows you to jump to the faceID section and download pdf button allows you to download a confirmation for the patient.

## Control panel

## 3D face model